HW#11: Angle Addition Postulate

Due Date: Monday, Sept. 24th, 2012

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

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| 1. Given *m*∠*ABC* = 94°, find *m*∠*CBD* | 2.Given *m*∠*QST* = 135°, find *m*∠*QSR.* |
| 3. Find ∠*KLN* and ∠*MLN.* | 4. Find ∠*EFH* and ∠*HFG.* |
| 5. *BD* bisects ∠*ABC.* Find *m*∠*ABC.* | 6. *BD* bisects ∠*ABC.* Find *m*∠*ABC.* |
| 7. Use the diagram below to find the measure of *a°, b°, c°* and *d°.* | |

Friday Review

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| 1) Write an equation for a line passing through (-2, 9) and parallel to 6 + x = 3y. | 2) Write an equation for a line passing through (7, 2) and parallel to 3 = -3x + y. |
| 3) Write an equation for a line parallel to 12 + 8x = -3y and passing through (3, -5). | 4) Circle the equation of the line with the steepest slope.  2y – x = 4  -5 – y = -3x  10 = 2x – 2y  -9 – 2x = -3y |